IN THE CLAIMS

Please amend the claims as follows:

1. (original) A system for positioning a product, comprising a chuck (8;44;64;71;108) for supporting the product, an intermediate stage (5;42;62;79;105) supporting said chuck (8;44;64;71;108), and a stationary base (7;41;61;72;107) supporting said intermediate stage (5;42;62;79;105), whereby the chuck (8;44;64;71;108) can move with respect to the intermediate stage (5;42;62;79;105) in a first direction X (9;45;65,80;109), and the intermediate stage (5;42;62;79;105) can move with respect to said stationary base in a second direction Y (6;43;63;81;106), furthermore comprising at least one laser interferometer (47;68;73,74,75,76,77,78) for measuring the position of the chuck (8;44;64;71;108) relative to the stationary base (7;41;61;72;107), the main part (47;68;73,74,75,76,77,78) of said laser interferometer being attached to said intermediate stage (5;42;62;79;105), so that it can measure the distance between a reflector (10;49;67;83,84,85;110) on the chuck (8;44;64;71;108) and a reflector (11;50;66;82,87) on the stationary base (7;41;61;72;107).

2. (original) A system as claimed in claim 1, wherein said reflector (11;50;66;82,87) on the stationary base (7;41;61;72;107)

is an elongated plane mirror reflector, having a length larger than the maximal displacement of the intermediate stage (5;42;62;79;105) in said second direction Y (6;43;63;81;106).

3. (currently amended) A system as claimed in ~~any one of the preceding claims~~claim 1, wherein the main parts (47;68;73,74,75,76,77,78) of two laser interferometers are attached to said intermediate stage 5;42;62;79;107), each for measuring the distance between a respective reflector (10;49;67;110) on the chuck (8;44;64;71;108) and the same elongated plane mirror reflector (11;50;66;82;87) in the stationary base (7;41;61;72;107).

4. (currently amended) A system as claimed in ~~any one of the preceding claims~~claim 1, wherein the main parts (73,74,75) of three laser interferometers are attached to said intermediate stage (79), for measuring distances in the first direction X (80) between one or more reflectors (83,84,85) on the chuck (71) and one or more plane mirror reflectors (82) in the stationary base (72).

5. (currently amended) A system as claimed in ~~any one of the preceding claims~~claim 1, wherein said reflector(110) on the chuck (108) is a cube corner reflector.

6. (currently amended) A system as claimed in ~~any one of the preceding claims~~claim 1, wherein the main part (76,77) of a laser interferometer is attached to said intermediate stage (79) for measuring the distance in the third direction Z between a reflector on the chuck and a reflector (87) on the stationary base (72), which direction is perpendicular to the first direction X (80) and the second direction Y (81).

7. (original) A method for positioning a product by means of a system comprising a chuck (44;64;71) for supporting the product, an intermediate stage (42;62;79) supporting said chuck (44;64;71), and a stationary base (41;61;72) supporting said intermediate stage (42;62;79), whereby the chuck (44;64;71) can move with respect to the intermediate stage (42;62;79) in a first direction X (45;65;80), and the intermediate stage (42;62;79) can move with respect to said stationary base (41;61;72) in a second direction Y (43;63;81), furthermore comprising at least one laser interferometer (47;68;73,74,75,76,77,78) for measuring the position of the chuck (8;44;64;71;108) relative to the stationary base (41;61;72), wherein the distance between a reflector (49;67) on the chuck (44;64;71) and a reflector (50;66;82;87) on the stationary base (41;61;72) is measured by means of a laser interferometer,

whereby the main part (47;68;73,74,75) of that laser interferometer is attached to said intermediate stage (42;62;79).